Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam ([https://www.ietf.org/contact/ombudsteam/](https://www.ietf.org/contact/ombudsteam/)) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- [https://www.ietf.org/privacy-policy/](https://www.ietf.org/privacy-policy/) (Privacy Policy)
This session is being recorded

IETF 114 Meeting Tips

In-person participants
- Make sure to sign into the session using the Meetecho (usually the “Meetecho lite” client) from the Datatracker agenda
- Use Meetecho to join the mic queue
- Keep audio and video off if not using the onsite version
- Wear masks unless actively speaking at the microphone.

Remote participants
- Make sure your audio and video are off unless you are chairing or presenting during a session
- Use of a headset is strongly recommended
Resources for IETF 114 Philadelphia

- Agenda
  [https://datatracker.ietf.org/meeting/agenda](https://datatracker.ietf.org/meeting/agenda)
- Meetecho and other information:
  [https://www.ietf.org/how/meetings/114/preparation](https://www.ietf.org/how/meetings/114/preparation)
- If you need technical assistance, see the Reporting Issues page:
Reminder for the IETF Guidelines for Conduct

- IETF participants extend respect and courtesy to their colleagues at all times.
- IETF participants have impersonal discussions.
- IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
- Individuals are prepared to contribute to the ongoing work of the group
- Please keep these in mind both at the mic and on Chat/Meetecho
- See BCP 54!
Administrivia

● Both Chairs are remote (again), Secretary is on ground!
● Minute taker(s), scribe(s)
● Meetecho Etiquette
  ○ Join the queue (onsite/remote) if you would like to speak/present
    ■ Do not send audio directly
  ○ Please state your name before speaking
  ○ Be mindful of the agenda time
    ■ Longer discussion on mailing list (or zulip chat)
● Collaborative minutes
  ○ https://notes.ietf.org/notes-ietf-114-pce
Usual Reminders

- Please use the mailing list actively!
- Please be more vocal during WG business (WGLC, adoption, etc)!
- Use the WG wiki *(new link)* to track progress -
- Use the zulip chat now or in between meetings -
- Request for early code point allocation when you are planning to interop!
PCE Working Group Meeting – Session I
Wednesday, July 27, 2022, 17:30-18:30 UTC

Introduction
1.1. Administrivia, Agenda Bashing (Chairs, 5 min) [5/60]
1.2. WG Status (Chairs, 10 min) [15/60]
1.3. State of WG I-Ds and next steps (Chairs, 15 min) [30/60]

Segment Routing
2.1 Circuit Style Policies (Samuel Sidor, 10 min) [40/60]
draft-sidor-pce-circuit-style-pcep-extensions-02
2.2 Redundancy Policy (Fan Yang, 10 min) [50/60]
draft-yang-pce-pcep-redundancy-policy-00
2.3 SID Verification (Tan Chen, 10 min) [60/60]
draft-chen-pce-sr-mpls-sid-verification-04

PCE Working Group Meeting – Session II
Thursday, July 28, 2022, 21:30-22:30 UTC

Stateful PCE
3.1 Operational Clarification (Mike Koldychev, 10 min) [10/60]
draft-koldychev-pce-operational-06
3.2 IFIT (Giuseppe Fioccola, 10 min) [20/60]
draft-ietf-pce-pcep-ifit-00

DetNet
4.1 DetNet Bounded Latency (Quan Xiong, 10 min) [30/60]
draft-xiong-pce-detnet-bounded-latency-00
4.2 Enhanced DetNet (Li Zhang, 10 min) [40/60]
draft-zhang-pce-enhanced-detnet-00

Others
5.1 NRP ID (Quan Xiong, 10 min) [50/60]
draft-xiong-pce-nrp-id-01
WG Status
Beyond the WG

- New RFC(s) since IETF 113
  - No new RFC
- RFC Editor Queue
  - draft-ietf-pce-binding-label-sid-15 (MISREF)
    - Waiting for draft-ietf-pce-segment-routing-ipv6-14
- With the AD (Publication Requested)
  - draft-ietf-pce-vn-association-08
  - draft-ietf-pce-lsp-extended-flags-03
  - draft-ietf-pce-pcep-stateful-pce-gmpls-20
Others

- **Errata**
  - No new Errata

- **Liaison**
  - None

- **IPR disclosure**
  - RFC 9168 (Flow spec)
  - draft-chen-pce-pcep-ifit
  - draft-ietf-pce-multipath

- **Early IANA codepoint allocation**
  - draft-ietf-pce-multipath (new)
    - Expires 2023-05-09
  - draft-ietf-pce-segment-routing-ipv6
    - Expires 2023-01-12
  - draft-ietf-pce-local-protection-enforcement
    - Renewed!
    - Expires 2023-01-28
  - draft-ietf-pce-segment-routing-policy-cp
    - Renewed!
    - Expires 2023-03-30
Status of WG I-Ds & Next Steps
Post WG-LC

- draft-ietf-pce-local-protection-enforcement
  - WGLC ended on 2022-06-23
  - Shepherd review pending (Julien)
WG documents “nearing” WG LC

**draft-ietf-pce-pcepyang**
- -19 posted on 2022-07-11
- Another YANG Doctor review done on -18
  - Moved objectives to Appendix
  - Added relationship with PCEP-MIB in the Appendix
  - Changed names for a few leaves
  - Collapsed some groupings
  - Stateful GMPLS capability
  - Examples updated
- Ready for WGLC
WG documents “nearing” WG LC

draft-ietf-pce-segment-routing-ipv6
  ● -13 posted on 2022-04-01
  ● -14 posted on 2022-07-10
  ● Early allocation by IANA
  ● Enhanced Security Consideration
  ● Other editorial changes
  ● WGLC Next!
WG documents “nearing” WG LC

draft-ietf-pce-pcep-extension-native-ip
  ● No update

draft-ietf-pce-flexible-grid
  ● No update
WG documents “nearing” WG LC

draft-ietf-pce-enhanced-errors
  ● -11 posted on 2022-03-07
  ○ No changes!
  ● **STILL** no I-D currently using it
  ○ draft-ietf-pce-stateful-interdomain could!
  ○ RFC 8751 mentions it though
  ● Is there still interest in this work?

● Options:
  ○ Progress this work as experimental
    ■ Would need reviewers to commit
  ○ Mark it as waiting for implementation
  ○ **STILL** no feedback received
WG I-Ds

draft-ietf-pce-sr-path-segment
- No change
- Includes two mechanisms for Path segment allocation
  - PATH-SEGMENT TLV
  - PCECC Path FEC
  - Confirmation that both are okay!
- Nearing WGLC?

draft-ietf-pce-sr-bidir-path
- No change
- Nearing WGLC?
WG I-Ds

draft-ietf-pce-segment-routing-policy-cp
- -07 posted on 2022-04-21
- Update in the INVALIDATION TLV for traffic steering on down/invalid LSP

draft-ietf-pce-pcep-extension-pce-controller-sr
- -05 posted on 2022-07-10
- Text for the Anycast SID allocation
WG I-Ds

draft-ietf-pce-multipath
- -05 posted on 2022-03-30
- -06 posted on 2022-05-17
- Update in Multipath Opposite Direction Path TLV
- Implementation Status added (3 exist)
- Early allocation is done

draft-ietf-pce-state-sync
- -02 posted on 2022-04-21
- -03 posted on 2022-07-10
- Implementation Status & Manageability Consideration
- It is okay for the priority setting used for Primary/Secondary selection to be out of scope?
WG I-Ds

draft-ietf-pce-stateful-pce-option
-03 posted on 2022-04-21
-04 posted on 2022-07-10
Added Implementation Status
  Are there any implementations?

draft-ietf-pce-stateful-interdomain
- No change

draft-ietf-pce-sr-p2mp-policy
-01 posted on 2022-07-07
Editorial changes
WG I-Ds

draft-ietf-pce-pcep-l2-flowspec
● -02 posted on 2022-07-09
● Added Manageability Considerations

draft-ietf-pce-sid-algo
● -00 posted on 2022-02-22
● No update
  ○ Comments received during WG adoption are pending
Recently adopted documents

draft-ietf-pce-pcep-pmtu

- -01 posted on 2022-07-05
- -02 posted on 2022-07-06
- As discussed during the adoption, a new I-D in SPRING WG is posted - [I-D.peng-spring-pmtu-sr-policy]
  - Some text has moved, some removed
  - On the agenda of the SPRING WG
- Update to RFC 5440 added for METRIC bound handling
- Multi-Path Handling
Recently adopted documents

draft-ietf-pce-pcep-ifit
  ● On the agenda
WG Adoption Poll Queue

- draft-li-pce-pcep-srv6-yang
- draft-dhody-pce-pcep-extension-pce-controller-srv6
- draft-dhodylee-pce-pcep-ls
- ...


Thanks!
Backup!
Using the Mailing List

- Please use the mailing list actively to discuss all working group business
- Open issues with drafts should be discussed on the list, and conclusions reported to the list
- New drafts should be introduced to the working group first on the mailing list, to gauge interest
- Working group consensus is determined from the mailing list
- Priority in meetings is given to drafts that have been discussed on the list
Please be Vocal

- During WG Adoption and WG LC calls, response number is low.
- Please be vocal on the list to help us gauge the consensus better.
- The WG mailing lists are looked at by the IESG, IAB, and others (internal and external to IETF) to determine interest/participation level in our standards process.
- Please review ideas from your peers, these are community outputs of the working group as a whole.
- Also help flushing our queues faster
  - we had to extend the calls when response was lacking!
Using the Wiki

● A way to give you visibility as the document progress through the WG
  ○ adoption queue
  ○ WG LC queue
  ○ balancing work between chairs
  ○ shepherding responsibilities and opportunities
  ○ pending actions
  ○ IPR polls
● Use this wiki
  ○ make sure this is up to date!
Early Codepoint Allocation

- If you have an implementation of a WG I-D
  - that requires inter-operation with other implementations
    - Please request for early IANA codepoint allocation
  - Make sure to include an Implementation Status section in your I-D
  - Make sure the IANA section is correct and complete
    - And meets the condition set out in RFC 7120

- Maintained at